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**From:** Ball, Joel [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=92AF2AB6F5274BC597249D04358EF25F-BALL, JOEL]  
**Sent:** 5/18/2015 12:46:39 PM  
**To:** Vehige, Joe [Vehige@FEV.COM]  
**Subject:** RE: Certification Vehicle for 2015 Ford F-150 2.7L 2WD  
**Attachments:** 2015 Ford common app FOI.pdf

See section 12 of this document. The F150 data is on pages 719 to 768.

Joel Ball  
Light-Duty Vehicle Group  
Compliance Division  
United States Environmental Protection Agency  
(734) 214-4238  
[ball.joel@epa.gov](mailto:ball.joel@epa.gov)

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**From:** Vehige, Joe [mailto:[Vehige@FEV.COM](mailto:Vehige@FEV.COM)]  
**Sent:** Monday, May 18, 2015 8:30 AM  
**To:** Ball, Joel  
**Subject:** RE: Certification Vehicle for 2015 Ford F-150 2.7L 2WD

Hello Joel,

So now that I know the road load coefficients for the Fuel Economy Certification Vehicle and the Emissions Certification Vehicle there is only one more piece to this missing puzzle. When I ran my FTP 75 emission test on FEV's F-150 my results came back a half mile per gallon better over certification. The only thing I can think of for it being like this is that I may have received the incorrect road load coefficients from Ford by some way of miscommunication. I have poured over the 'Part 1' documentation for the 2015 MY F-150's and I cannot find the list of all possible road load coefficients. Do you have access to these documents (road load tables) and is it possible for me to get my hands on that list?

Best regards,

**Joe Vehige**  
*Project Engineer*  
FEV, Inc.

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**From:** Ball, Joel [mailto:[ball.joel@epa.gov](mailto:ball.joel@epa.gov)]  
**Sent:** Friday, May 15, 2015 10:42 AM  
**To:** Vehige, Joe  
**Subject:** RE: Certification Vehicle for 2015 Ford F-150 2.7L 2WD

TG: FFMXT02.73DH  
2015 Ford F-150 SuperCab Max  
Tire Size: LT275/65R18  
Curb Weight: 4932

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**From:** Vehige, Joe [<mailto:Vehige@FEV.COM>]  
**Sent:** Wednesday, May 13, 2015 2:18 PM  
**To:** Ball, Joel  
**Subject:** RE: Certification Vehicle for 2015 Ford F-150 2.7L 2WD

Joel,

I very much appreciate you getting this information to me, I would not be contacting you if my contacts at Ford weren't so reluctant to give up information like this. Would it be possible, at your earliest convenience of course, for you to get the same parameter information for the F-150 that was used for just Federal emissions certification?

So far I have found that it is:

2015 Ford F-150 SuperCab Max  
ETW = 5250 lbs  
Final Drive = 3.73  
4x4 that was ran in 2WD  
Stop/Start was enabled

If the above truck is the one used for emissions certification could you also help me find this truck's:

Tire Make/Size  
Curb Weight

Regards,

**Joe Vehige**  
*Project Engineer*  
FEV, Inc.

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**From:** Ball, Joel [<mailto:ball.joel@epa.gov>]  
**Sent:** Wednesday, May 13, 2015 11:32 AM  
**To:** Vehige, Joe  
**Cc:** Good, David  
**Subject:** RE: Certification Vehicle for 2015 Ford F-150 2.7L 2WD

Hi Joe, Here is the info on the 2015 2.7L F150 2wd supercab auto trans fuel economy data vehicle:

ETW: 4750  
Curb 4538  
Axel Ratio: 3.31  
Tire Size: 265/60R18  
Target Road-load Coeff:  
A: 22.55  
B: 0.391  
C: 0.03137  
Mode: Start stop active

Joel Ball  
Light-Duty Vehicle Group  
Compliance Division  
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**From:** Vehige, Joe [<mailto:Vehige@FEV.COM>]  
**Sent:** Wednesday, May 13, 2015 10:37 AM  
**To:** Ball, Joel

**Cc:** Good, David

**Subject:** Certification Vehicle for 2015 Ford F-150 2.7L 2WD

Hello Joel,

My name is Joe Vehige and I am a project engineer at FEV Inc. I am currently involved with performance dyno testing and needed some specifics on the vehicle used for fuel economy certification for the 2015 Ford F-150 Ecoboost 2.7L 2WD. I found most of what I needed in the Fuel Economy Data file found on the EPA's website, but I need to know some more information about the ETW, Final Drive Ratio, Tire Size, etc. If you could please contact me back I would be very appreciative.

Regards,

**Joe Vehige**

*Project Engineer*

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